

Stepper Motor Driver **MSDR** I/O Comparison

MSDR24-N (Discontinued)					MSDR24-MS (Replacement)				
Connector No.	Pin No.	Type	Signal Name	Function	Connector No.	Pin No.	Type	Signal Name	Function
Power Input Connector(CN1)	1	In	Power+	DC12-24V	Power Input Connector (CN1)	1	In	Power+	DC24V
	2		Power-	GND		2		Power-	GND
Input Output Signals (CN2)	1	In	CW+	Pulse input (CW pulse)	Input Output Signals (CN3)	1	In	CW+	Pulse input (CW pulse)
	2		CW-			2		CW-	
	3		CCW pulse signal	3		CCW+		Rotation direction signal (CCW pulse signal)	
	4			CCW-					
	5		All windings off signal	5		A.W.OFF+		All windings off signal	
	6			A.W.OFF-					
	7		Step angle select signal	7		CS+		Step angle select signal	
	8			F/H-					
	9	Current cutback release signal	9	ALM+		Alarm output			
	10		C.D.INH-						
	11	Out	TIM+	Excitation timing signal		11	TIM+	Excitation timing signal	
	12		TIM-			12	TIM-		
Motor Connector (CN3)	1	Out	MOTOR	Lead Wire Blue	Motor Connector (CN2)	1	Out	MOTOR	Lead Wire Blue
	2			Lead Wire Red		2			Lead Wire Red
	3			Lead Wire Orange		3			Lead Wire Orange
	4			Lead Wire Green		4			Lead Wire Green
	5			Lead Wire Black		5			Lead Wire Black

Points to change

MSDR24-C (Discontinued) A					MSDR24-MS (Replacement)				
Connector No.	Pin No.	Type	Signal Name	Function	Connector No.	Pin No.	Type	Signal Name	Function
Power Input Connector(CN1)	1	In	Power+	DC24V	Power Input Connector(CN1)	1	In	Power+	DC24V
	2		Power-	GND		2		Power-	GND
Input Output Signals (CN2)	1	In	CW+	Pulse input (CW pulse)	Input Output Signals (CN3)	1	In	CW+	Pulse input (CW pulse)
	2		CW-			2		CW-	
	3		CCW+	Rotation direction signal (CCW pulse signal)		3		CCW+	Rotation direction signal (CCW pulse signal)
	4		CCW-			4		CCW-	
	5		A.W.OFF+	All windings off signal		5		A.W.OFF+	All windings off signal
	6		A.W.OFF-			6		A.W.OFF-	
	7		C/S+	Step angle select signal		7		CS+	Step angle select signal
	8		C/S-			8		CS-	
	9		C.D.INH+	Automatic current cutback release signal		9		ALM+	Alarm output
	10		C.D.INH-			10		ALM-	
	11	Out	TIM+	Excitation timing signal		11	Out	TIM+	Excitation timing signal
	12		TIM-			12		TIM-	
Motor Connector (CN3)	1	Out	MOTOR	Lead Wire Blue	Motor Connector (CN2)	1	Out	MOTOR	Lead Wire Blue
	2			Lead Wire Red		2			Lead Wire Red
	3			Lead Wire Orange		3			Lead Wire Orange
	4			Lead Wire Green		4			Lead Wire Green
	5			Lead Wire Black		5			Lead Wire Black

Points to change

MSDR2436 (Discontinued)

Connector No.	Pin No.	Type	Signal Name	Function
Power Input Connector (CN1)	1	In	Power	DC24-36V
	2			GND
	3			N.C.
Input Output Signals (CN3)	1	In	CW+	Pulse input (CW pulse)
	2		CW-	
	3		CCW+	Rotation direction signal (CCW pulse signal)
	4		CCW-	
	5		A.W.OFF+	All windings off signal
	6		A.W.OFF-	
	7	Out	TIM+	Excitation timing signal
	8		TIM-	
	9	In	C/S+	Resolution switching input
	10		C/S-	
Motor Connector (CN2)	1	Out	MOTOR	Lead Wire Blue
	2			Lead Wire Red
	3			Lead Wire Orange
	4			Lead Wire Green
	5			Lead Wire Black

No Replacement